

Title (en)

Organic electroluminescent device having thin film encapsulation structure and method of fabricating the same

Title (de)

Organische elektrolumineszierende Vorrichtung mit Dünnschichtverkapselung und deren Herstellungsmethode

Title (fr)

Dispositif électroluminescent organique avec encapsulation à film mince et sa méthode de fabrication

Publication

EP 2768040 B1 20220803 (EN)

Application

EP 14151397 A 20140116

Priority

KR 20130016057 A 20130214

Abstract (en)

[origin: EP2768040A2] Provided is an organic electroluminescent display device, including a substrate (10), an organic light-emitting device (20) on the substrate, and an encapsulation layer (30) formed on the organic light-emitting device and the substrate. The encapsulation layer includes an inorganic layer (31) and a polymer organic layer (33) alternately stacked with an intermediate layer (32) formed of a first organic monomer between the inorganic layer and the polymer organic layer, and one surface of the intermediate layer is bonded to the inorganic layer through bonding sites on a surface of the inorganic layer and another surface of the intermediate layer is bonded to the organic layer by polymerization.

IPC 8 full level

H01L 51/52 (2006.01); **H01L 27/32** (2006.01); **H01L 51/56** (2006.01)

CPC (source: CN EP KR US)

H05B 33/04 (2013.01 - KR); **H05B 33/145** (2013.01 - KR); **H10K 50/844** (2023.02 - US); **H10K 50/8445** (2023.02 - US); **H10K 59/10** (2023.02 - US); **H10K 59/8731** (2023.02 - CN EP KR); **H10K 71/00** (2023.02 - US); **H01L 2221/1057** (2013.01 - KR); **H10K 59/00** (2023.02 - US); **H10K 59/12** (2023.02 - CN EP KR)

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